## CONODOGUINET CREEK BASIN

## 01569800 LETORT SPRING RUN NEAR CARLISLE, PA

LOCATION.--Lat 40°14'05", long 77°08'23", Cumberland County, Hydrologic Unit 02050305, on right bank 320 ft downstream from bridge on U.S. Highway 11, 0.2 mi upstream from mouth, 3.1 mi west of New Kingstown, and 3.7 mi east of Carlisle.

**DRAINAGE AREA**.--21.6 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1976 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 410 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood in March 1936 reached a stage of 8.8 ft, discharge not determined, and flood in June 1972 reached a stage of 8.4 ft, from information by local resident, discharge not determined.

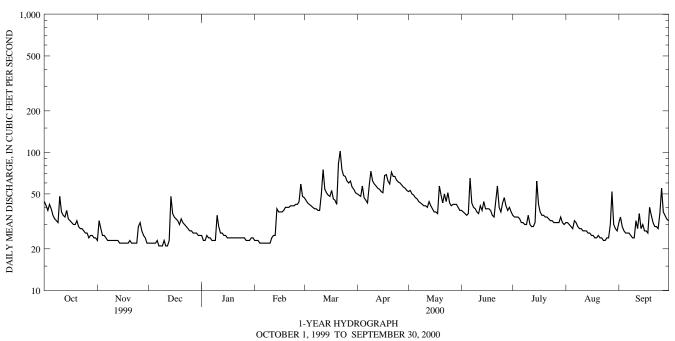
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 180 ft<sup>3</sup>/s and maximum (\*):

Date Mar.		Time 0130	D	ischarge ft <sup>3</sup> /s *158	Gage Height (ft) *4.54			Date (No	Tim	e fi	charge c <sup>3</sup> /s e disch	Gage Height (ft)	
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 DAILY MEAN VALUES													
DAY	0	CT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5		14 11 38 12 39	23 32 28 25 25	22 22 22 22 22	25 23 23 25 24	23 23 23 22 22	47 45 43 42 41	50 49 48 57 47	52 53 50 49 47	38 37 36 35 36	35 34 34 34 33	31 31 30 29 28	31 34 29 27 26
6 7 8 9 10		35 33 32 31 48	24 23 23 23 23	23 21 21 21 23	24 23 23 23 35	22 22 22 22 22	40 39 39 38 38	45 43 58 73 62	46 44 43 42 41	65 43 40 39 37	31 31 30 30 35	32 31 29 28 28	26 26 25 24 24
11 12 13 14 15		37 35 34 38 33	23 23 23 22 22	21 21 23 48 36	29 26 26 25 25	24 25 25 39 37	50 75 54 51 49	59 57 55 54 52	41 40 44 41 39	36 41 38 44 39	30 29 29 31 62	27 27 27 26 26	32 28 36 28 30
16 17 18 19 20		32 31 30 30 32	22 22 22 22 23	34 33 32 30 33	24 24 24 24 24	37 37 38 40 40	48 53 46 45 42	51 68 69 62 59	37 37 36 57 49	39 39 38 35 34	42 37 35 35 34	25 25 24 24 25	27 27 26 40 35
21 22 23 24 25		29 28 28 27 26	22 22 22 22 29	31 30 29 28 27	24 24 24 24 24	40 41 41 41 42	83 102 75 68 67	72 67 67 63 61	43 50 44 51 43	44 57 40 37 43	34 33 32 32 31	24 24 23 23 24	31 29 29 28 36
26 27 28 29 30 31		26 24 25 25 24 24	31 27 25 24 22	27 26 26 26 25 25	24 23 23 23 24 24	42 44 59 48 	62 60 62 56 54 51	60 58 56 55 53	41 42 42 42 40 38	47 41 38 40 37	31 31 31 34 31	24 30 52 30 28 27	55 37 35 33 32
TOTAL MEAN MAX MIN CFSM IN.		. 3 18 24 19	719 24.0 32 22 1.11 1.24	830 26.8 48 21 1.24 1.43	760 24.5 35 23 1.14 1.31	963 33.2 59 22 1.54 1.66	1665 53.7 102 38 2.49 2.87	1730 57.7 73 43 2.67 2.98	1364 44.0 57 36 2.04 2.35	1213 40.4 65 34 1.87 2.09	1041 33.6 62 29 1.55 1.79	862 27.8 52 23 1.29 1.48	926 30.9 55 24 1.43 1.59
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)													
MEAN MAX (WY) MIN (WY)	35 79 19 20 19	. 6 77 . 0	35.9 62.2 1997 23.0 1992	41.6 94.5 1997 22.4 1982	44.7 92.0 1979 24.2 1989	50.0 93.9 1998 22.3 1989	59.4 123 1994 30.4 1989	61.5 126 1993 29.3 1989	52.5 90.9 1998 32.9 1999	44.8 71.3 1996 25.8 1999	39.7 68.3 1996 23.4 1987	34.5 54.5 1989 20.7 1992	34.1 68.4 1996 21.7 1992

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## 01569800 LETORT SPRING RUN NEAR CARLISLE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALEND	AR YEAR	FOR 2000 WAT	TER YEAR	WATER YEARS	1976 - 2000
ANNUAL TOTAL	12062		13074			
ANNUAL MEAN	33.0		35.7		44.4	
HIGHEST ANNUAL MEAN					62.4	1998
LOWEST ANNUAL MEAN					28.3	1992
HIGHEST DAILY MEAN	168	Jan 24	102	Mar 22	452	Jan 24 1979
LOWEST DAILY MEAN	19	Jul 18, Aug 7	21	Dec 7 <b>a</b>	10	Aug 14 1976
ANNUAL SEVEN-DAY MINIMUM	20	Aug 6	22	Dec 6	18	Aug 30 1992
INSTANTANEOUS PEAK FLOW			158	Mar 22	<b>b</b> 1400	Jan 24 1979
INSTANTANEOUS PEAK STAGE			4.54	Mar 22	6.53	Jan 24 1979
INSTANTANEOUS LOW FLOW			19	Dec 13	.00	Aug 15 1976 <b>c</b>
ANNUAL RUNOFF (CFSM)	1.53		1.65		2.06	
ANNUAL RUNOFF (INCHES)	20.77		22.52		27.94	
10 PERCENT EXCEEDS	47		54		71	
50 PERCENT EXCEEDS	30		32		38	
90 PERCENT EXCEEDS	22		23		24	



 $<sup>\</sup>begin{array}{l} \textbf{a} \ \ Also \ Dec. \ 8, \ 9, \ 11, \ 12. \\ \textbf{b} \ \ From \ rating \ curve \ extended \ above \ 680 \ ft^3/s \ on \ basis \ of \ slope-area \ measurement \ at \ gage \ height \ 6.43 \ ft. \end{array}$ 

c Part of day.